



**DECLARATION AND POWER OF  
ATTORNEY FOR PATENT  
APPLICATION  
(37 CFR 1.63)**

Declaration Submitted with Initial Filing

OR

Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16(e)) required)

Attorney Docket Number	42P18598
First Named Inventor	Chris J. Newburn
<b>COMPLETE IF KNOWN</b>	
Application Number	10/750,715
Filing Date	December 31, 2003
Art Unit	2186
Examiner Name	Unassigned

**As a below named inventor, I hereby declare that:**

My residence, mailing address, and citizenship are as stated below, next to my name.

I believe the inventor(s) named below to be the original and first inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**Processor and Memory Controller Capable Of Use In Computing System That Employs  
Compressed Cache Lines' Worth Of Information**

*(Title of the Invention)*

the specification of which

is attached hereto.

OR

was filed on (if applicable):

or 12/31/2003 as United States Application Number 10/750,715  
as PCT International Application Number \_\_\_\_\_  
and was amended on \_\_\_\_\_ (if applicable)

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claim(s), as amended by any amendment specifically referred to above.

I do not know and do not believe that the claimed invention was ever known or used in the United States of America before my invention thereof, or patented or described in any printed publication in any country before my invention thereof or more than one year prior to this application. I do not know and do not believe that the claimed invention was in public use or on sale in the United States of America more than one year prior to this application, nor do I know or believe that the invention has been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (for a utility patent application) or six months (for a design patent application) prior to this application.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

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**Prior Foreign Application(s):**

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Certified Copy Attached?
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**Appointment of Practitioners:**

I hereby appoint the practitioners associated with Customer Number: **45209** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

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**Correspondence:**

Direct all correspondence to Customer Number **08791**.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Chris J. Newburn  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature Chris J. Newburn Date 8/12/04

Residence South Beloit, Illinois USA Citizenship USA  
(City, State, Country) (Country)

Mailing Address 8034 Renee Drive  
South Beloit, Illinois 61080 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Ram Huggahalli  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Portland, Oregon USA Citizenship USA  
(City, State, Country) (Country)

Mailing Address 8110 NW Blue Pointe Lane  
Portland, Oregon 97229 USA

**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Herbert HJ Hum  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Portland, Oregon USA Citizenship USA  
(City, State, Country) (Country)

Mailing Address 3924 NW Teakwood Place  
Portland, Oregon 97229 USA

**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Ali-Reza Adl-Tabatabai  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Santa Clara, California USA Citizenship USA  
(City, State, Country) (Country)

Mailing Address 2125 Quinn Avenue  
Santa Clara, California 95051 USA

**NAME OF FIFTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Anwar M. Ghuloum  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Mountain View, California USA Citizenship USA  
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Inventor's Signature Ram Huggahalli Date 8/22/04  
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Full Name: Anwar M. Ghuloum  
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Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Mailing Address 8034 Renee Drive  
South Beloit, Illinois 61080 USA

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Ram Huggahalli  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

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Mailing Address 8110 NW Blue Pointe Lane  
Portland, Oregon 97229 USA

**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Herbert HJ Hum  
(First, Middle [if any], Family Name (or Surname), and Suffix [if any])

Inventor's Signature Herb HJ Hum Date 8/17/2004

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Portland, Oregon 97229 USA

**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

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Full Name:

**Chris J. Newburn**

*(First, Middle [if any], Family Name (or Surname), and Suffix [if any])*

Inventor's Signature

Date

Residence

South Beloit, Illinois USA

*(City, State, Country)*

Citizenship

USA

*(Country)*

Mailing Address

8034 Renee Drive

South Beloit, Illinois 61080 USA

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Full Name: Ram Huggahalli  
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#### Appointment of Practitioners:

I hereby appoint the practitioners associated with Customer Number: **45209** as my respective patent attorneys and patent agents, with full power of substitution and revocation, to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith.

if this patent application is assigned, then the undersigned hereby authorizes the patent attorneys and patent agents named herein to accept and follow instructions from the assignee(s) as to any action to be taken in the United States Patent and Trademark Office regarding this application without direct communication between the patent attorneys and patent agents and the undersigned. In the event of a change in the persons from whom instructions may be taken, at least one patent attorney or patent agent named herein will be so notified by the undersigned.

#### Correspondence:

Direct all correspondence to Customer Number 08791.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

**NAME OF SOLE OR FIRST INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Chris J. Newburn  
(First, Middle (if any), Family Name for Surname), and Suffix (if any)

**Inventor's Signature** \_\_\_\_\_ **Date** \_\_\_\_\_

(City, State, Country) (Country)

Mailing Address 8034 Renee Drive

**NAME OF SECOND INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Ram Huggahalli  
*(First, Middle [if any], Family Name [or Surname], and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Portland, Oregon USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 8110 NW Bluc Pointe Lane  
Portland, Oregon 97229 USA

**NAME OF THIRD INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Herbert HJ Hum  
*(First, Middle [if any], Family Name [or Surname], and Suffix [if any])*

Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Portland, Oregon USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 3924 NW Teakwood Place  
Portland, Oregon 97229 USA

**NAME OF FOURTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Ali-Reza Adl-Tabatabai  
*(First, Middle [if any], Family Name [or Surname], and Suffix [if any])*

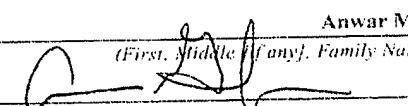
Inventor's Signature \_\_\_\_\_ Date \_\_\_\_\_

Residence Santa Clara, California USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 2125 Quinn Avenue  
Santa Clara, California 95051 USA

**NAME OF FIFTH INVENTOR:**  A petition has been filed for this undersigned inventor

Full Name: Anwar M. Ghuloum  
*(First, Middle [if any], Family Name [or Surname], and Suffix [if any])*

Inventor's Signature  Date 8/31/04

Residence Mountain View, California USA Citizenship USA  
*(City, State, Country)* *(Country)*

Mailing Address 547 McCarty Avenue  
Mountain View, California 94041 USA